
EDUCATION

Nanjing University (NJU), Nanjing, China 2024.9 – Present

Ph.D. in Computer Science, Advisor: Prof. Yitong Yin

Field: Theoretical Computer Science

Nanjing University (NJU), Nanjing, China 2020.9 – 2024.6

B.S. in Computer Science and Financial Engineering

RESEARCH INTERESTS

Theoretical Computer Science:

- sampling and counting;
- probability theory;
- discrete mathematics.

PUBLICATIONS

Authors are listed alphabetically unless otherwise stated.

Conference Papers

1. David G. Harris, Vladimir Kolmogorov, Hongyang Liu, Yitong Yin, **Yiyao Zhang**.
Near-optimal parallel approximate counting via sampling.
In **SPAA 2026**, to appear.
2. Weiming Feng, Xiongxin Yang, Yixiao Yu, **Yiyao Zhang**.
Learning CNF formulas from uniform random solutions in the local lemma regime.
In **STOC 2026**, to appear.
3. Ruijie Miao, **Yiyao Zhang**, Guanyu Qu, Kaicheng Yang, Tong Yang, Bin Cui. (*by contribution*)
Hyper-USS: Answering subset query over multi-attribute data stream.
In **SIGKDD 2023**, pp. 1698–1709.

VISITING AND INTERNSHIP

The University of Hong Kong (HKU), Hong Kong SAR, China 2025.12 – 2026.01

Research assistant hosted by Asst. Prof. Weiming Feng.

TEACHING ASSISTANTSHIPS

- Advanced Algorithms (Nanjing University) Fall 2025, Fall 2024
Instructor: Yitong Yin, Shi Li, Jingcheng Liu.

AWARDS

Presidential Special Scholarship for Doctoral Students 2024.9

Outstanding Undergraduate Student of Nanjing University 2024.6

National Scholarship for Undergraduate Students 2023.9